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by Water in a Porous Medium, by I. M. Koshelova,
M. M. Kusekov, 14 pp.

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Vol XXII, 1958, pp 142-157.

SLA 60-18748

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Investigation of the Mechanism of Reaction of
Elemental Sulfur with Thin Layers of Copper in a
Hydrocarbon Medium by the Radioactive Tracer Method,
by M. M. Kusakov, E. A. Razumovskaya, A. P. Dekartov,
4 pp.

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Sci - Chem
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Reactions of Metals with Organic Thio and Thio-
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A. V. Ul'yanova, 6 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXXII, No 5,
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TRIBOMETER WITH AN ELASTIC AXIS FOR
MEASURING KINETIC FRICTION UNDER CONDI-
TIONS OF BOUNDARY LUBRICATION. [1964] 13p.
Order from OTS or SLA 51-60

01-20191

Trans. of Akademiya Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, Izvestiya, 1964, p. 275-287.

DESCRIPTORS: *Friction, Measurement, Lubrication, Lubricants.

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61-20191

- I. Title: Tribometers
- J. Kusakov, M. M.
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Hysteresis in Capillary Rise, by M. M. Kusakov,
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*Co-op for Scheme 525
(L2.)*

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of Some Organo-Silicon Liquids in Mineral Oils,
by M. M. Kusakov, L. A. Konovalova, V. I.
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DSIR LIJ (loan) M.327

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Investigation of the Mechanism of Action of
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SLA 61-10358

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Order from ATS \$14. 25 ATS-29P65R

Trans. of mono. Vses[oyuznoe] Soveshch[anie po]
Primen[eniyu] Poverkh[nostno]-Aktivn[ykh] Veshchestv v
Nefi[yanol] Prom[yshlennosti]. Ufimsk. Neft. Nauchn. -
Issled. Inst. 1, 1961, Tr[udy] p. 59-68.

DESCRIPTORS: *Surface-active substances, Displace-
ment reactions, Organic materials, *Petroleum, Re-
covery, Filters (Liquid), Water, Water injection.

(Engineering--Chemical, TT, v. 9, no. 7)

63-12492

I. Kusakov, M. M.
II. Kosheleva, I. M.
III. ATS-29P65R
IV. Associated Technical
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East Orange, N. J.

ATS/RJ-3761

330442

Office of Technical Services

Surface Tension of Petroleum at the Gas-and-Water
Interface Lines in Petroleum Deposits, by H. M.
Lubman, N. M. Lubman, A. Yu. Kochevnik.

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Petroleum, by A. V. Topchiev, L. M. Rozenberg,
M. M. ~~Kusa~~^{kov}, M. V. Shishkina,¹⁹⁹ pp.

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Assoc Tech Sr RS-581

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CAPILLARY DISPLACEMENT OF PETROLEUM
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7 refs.
Order from LC or SLA ml\$1.80, pb\$1.80 60-16961

Trans. of Moskovskiy Neftyanyy Institut. [Trudy]
(USSR) [1958] v. 22, p. 198-206.

Experiments on capillary petroleum displacement from natural sandstones by water show, that independently of the presence or absence of residual water in the core, a capillary penetration of water into the core and a petroleum displacement are observed at its contacting with the displacing water medium. The rate of capillary petroleum displacement depends on the quality of the displacing water and on the quantity of the residual water in core. (Author)

(Engineering--Chemical, TT, v. 5, no. 2)

60-16961

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- I. Kusakov, M. M.
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[1961] [9] p. 5 refs. TRC Trans. no. 1045;
[DSIR LLU] M. 3026.
Order from OTS or SLA \$1.10 61-27575

Trans. of Khimiya i Tekhnologiya Topliv i Masel
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DESCRIPTORS: *Fuels, Water, Distribution.

The quantity of water a introduced into a unit volume of fuel at a given temperature (after thorough agitation) can be expressed as $a = s + e + w + v$, where s is the equilibrium solubility of water in the fuel at the given temperature, e is the quantity of water in the fuel in the form of micro-emulsion at the same temperature.
(Materials--Fuels, TT, v. 6, no. 9) (over)

61-27575

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- II. Lubman, N. M.
- III. Shchetsko, M. I.
- IV. TRC Trans-1045
- V. DSIR LLU M. 3026
- VI. Thornton Research Centre,
Shell Research Ltd.
(Gt. Brit.)

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*CFSTI TT 70-57151

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Myocardial Involvements in Certain Virus
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Moscow, May 1958, pp 44-48

US JPRS/NY-713

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Military - Communist army

A 6476

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May 59

Handwritten: 88,044

X-Ray Analysis of the Processes of Carbide Formation
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V. N. Krichobalov, V. V. Lyubskiy, G. M. Morozov,

RUSSIAN, per, Fiz Metal i Metalloy, Vol. 1, No. 4,
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PP

Sci

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61-10699

Kusato, Masao.

THE REACTION OF INDOLE-2-CARBOXYLIC ACID
ETHYL WITH PHOSPHORUS PENTACHLORIDE. Pt. 4
of Studies on Compounds related to Indole. [1961] 11p.
1 ref.

Order from SLA ml\$2.40, ph\$3.30 61-10699

Trans. of unidentified mono. (lecture) from Meeting of
the Northeast branch of the Japanese Chemical Society
(no. 49) June 59.

When a substitution reaction reaches the benzene ring in
compounds of the indole system, this appears usually in
the 5 or 6 position, but the reaction is largely influenced
by radicals other than the existing substitution radicals.
As reported previously, 3-bromoindole-2-carboxylic
acid ethyl forms 3,5-dibromoindole-2-carboxylic acid
ethyl from bromine; the present report deals with the
formation of 3,6-dichloroindole-2-carboxylic acid ethyl
by the substitution of 3-chloroindole-2-carboxylic acid
ethyl for chlorine at position 6, through the action of
phosphorus pentachloride. (Author)

1. Phosphorus chlorides--
Chemical reactions
2. Indoles--Chemical
reactions
3. Carboxylic acids--
Chemical reactions

- I. Kusato, M.
- II. Title: Studies...
- III. Title: Meeting...

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Results of a Two-Year Experimentation, by
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SLA-FF-66-11698

E. Kusche

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AUG 66

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NIH 1-33a-60
SLA 60-10984

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13 July 62, 20p. (refs. omitted).
Order from SLA \$1.60

63-14016

Trans. of Plaste und Kautschuk (East Germany) 1960,
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DESCRIPTORS: *Polyvinyl chloride, *Chlorination,
Polymers, Solubility, Industrial production.

In this article, the principles of chlorination of PVC
and the industrial arrangement of the process are
discussed.

(Materials--Plastics, TT, v. 10, no. 5)

63-14016

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JPRS-2207-N

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Econ - Manufacturing, Turbines, Generators
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(DC-1680)

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US JPRS/DC-L-172

EE - Germany

Econ - Electric Power

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Trans. of [Izvestiya Vysshikh Uchebnykh Zavedenii, Tsvetnaya Metallurgiya (USSR) 1961, v. 4, no. 2, p. 43-52].

Another trans. is available from OTS or SLA \$1.60 as AEC-tr-4867 [1961] 11p.

DESCRIPTORS: Metallic compounds, *Niobium compounds, *Oxides, Reduction, Thermodynamics, *Chemical equilibrium, Carbides, *Oxygen, *Carbon, Carbon compounds, Monoxides.

For abstract see Technical Translations 8: 486, 1962.

(Metallurgy, TT, v. 9, no. 5)

62-18258

I. Kusenko, F. G.
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No 2, 1960, pp 46-52.

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Sci - Phys
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The Effect of Predominantly Carbohydrate
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4 pp.

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CIA/FDD X-4274

Sci - Chem
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Vol XLV, No 5, 1963, pp 1344-1351.

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 Vol XVIII, No 4

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61-15486

Kushch, K. M.
APPARATUS WITH ONE ELECTRONIC VALVE
CARRYING OUT THE FUNCTIONS OF MANY
TIME - AND FEED-BACK RELAYS. [1961] [6]p.
3 refs. [DSIR LLU] M. 2351.
Order from LC or SLA m/\$1.80, ph/\$1.80 61-15486

Trans. of Liteynoye Proizvodstvo (USSR) 1959, no. 12,
p. 14-15.

An electronic mechanism for time control is described
which replaces any number of successively arranged
time relays with adjustable or independent timing.

(Machinery--Manufacturing, TT, v. 5, no. 12)

1. Control systems--Design
 2. Foundries--Operation
 3. Industrial production--
Control systems
- I. Kushch, K. M.
 - II. DSIR LLU M. 2351

Office of Technical Services

(NY-1374/42)

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P. Ya. Kushch, Ye. M. Soshnik

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Plastic Ship Halls, by V. V. Kuchelov, I. A. Sokolov, 100 pp.
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1960. 103
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USSR
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Nov 65

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Kuchelov, V. V.

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B. R. Kushelevich, 3 pp.

RUSSIAN, USSR Author's Certificate No 129,765.

Patent Office

Sci - Engr.

Oct 62

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(NY-6503)

Significance of Therapeutic-Prophylactic
Application of Anticoagulants in
Combatting Mortality Due to Cardio-
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12 pp.

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Sci-21/M
Jan 64

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The Causes of Local Spongy Formations on the Cathode
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Sci - Chem

Oct 58

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The Work of Various Biological and Agricultural
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13 pp.

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Oliver & Boyd

Sci

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Penetration of Embedding Media into Specimens,
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No 2, 1964, pp 107-109.
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4-39-68

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Sci/D & H
June 68

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by N. V. Kuzhikina, 6 pp.

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No 5, 1964, pp 16-18.

JPRS 20121

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Kushima, I and Assno, N.
REASON FOR INSOLUBILITY OF COPPER IN
ROASTED PRODUCTS. Rept. no. 3, on Roasting and
Leaching of Ni₃S-Cu₂S System. [1961] [8p. 6 refs.
Order from SLA \$1. 10 61-10733

I. Kusihma, I.
II. Assno, N.
III. Title: Roasting...

Trans. of Nihon Kogyo Kaishi (Japan) 1957, v. 73,
p. 837-840.

DESCRIPTORS: *Copper, *Orea, Processing,
Solubility, *Smelting.

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(Engineering--Chemical, TT, v. 6, no. 2)

The Role of the Anti-Phage Serum in the Diagnosis
of Brucellosis, by A. S. Fomicheva, M. F. Akulova,
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The Physics of the Rain Cloud, by Dr B. Kushinskiy,
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The Structure of Ethacole Diamides, by
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Div. Chemistry
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S-4243

(NY-1600)

Purification and Crystallization of Erythrotoxic
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US JPRS/NY-L-300

Sci - Medicine; Chemistry

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Sci -
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Comparative Study of Three Adsorbed Myxomatogenic
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PP

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Sci

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JPRS 15369

Sci - Medicine

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